CW#67: Multiplying Radicals

Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Bronze

*MULTIPLYING radical expressions*

|  |  |  |  |
| --- | --- | --- | --- |
| Recall: What is the product property of radicals? | | | |
| Example 1: | | Example 2: | |
|  | 1. 8. | | 1. 9. |
| 1. 10. | 1. 11. | | 1. 12. |
| 1. 13. | 1. 14. | | 1. 15. |
| 1. Example 3: | |  | |
|  | |  | |
|  | |  | |
|  | |  | |
|  | |  | |
| 1. Example 12: | |  | |
|  | |  | |

Silver

*Multiplying* radicals with applications to finding area!

|  |  |
| --- | --- |
| ../../../../../Desktop/Screen%20Shot%202016-01-10%20at%2010.20.18%20AM | Find the area and perimeter. |
| Find the area of the rectangle.  7-  4+ | Find the area of the triangle below.  ../../../../../Desktop/Screen%20Shot%202016-01-10%20at%2010.42.45%20AM  3 |
| ../../Week%2017/1-7%20Thursday/GraphFind the area of rectangle ABCD with verticies A(1,4), B(2,9), C(-6,14), and D(-9,9). Make sure your answer is in it’s most simplified form. | |

Gold

Mr. B is designing a space for his new garden. The plot of land for the garden is ft. long and ft wide. He wants to make sure to include a small concrete walkway around the garden that is 2ft thick. Mr. B needs to figure out how much concrete he’ll need. Help him by find the total amount of area the concrete walkway will take up.